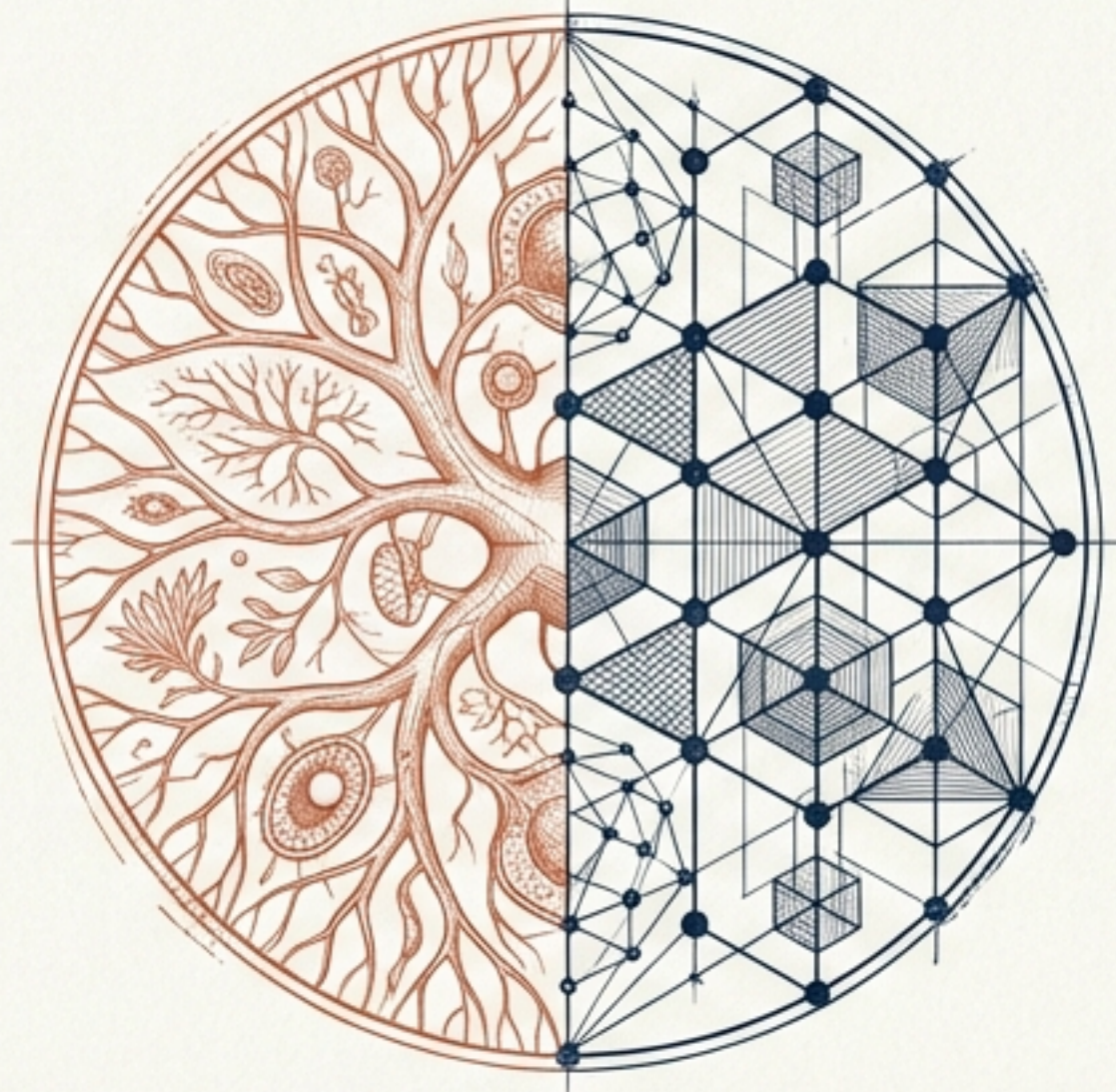


World Federal Constitutionalism & The Quantum Age



An Ethical-Guarantor Compendium for World Peace

“We are the first generation where ‘regional’ war is impossible.
We face a binary choice: Global Annihilation or Global Constitution.”

GABRIELE PAO-PEI ANDREOLI & ALBERTO CONTU

The Zero-Sum Game

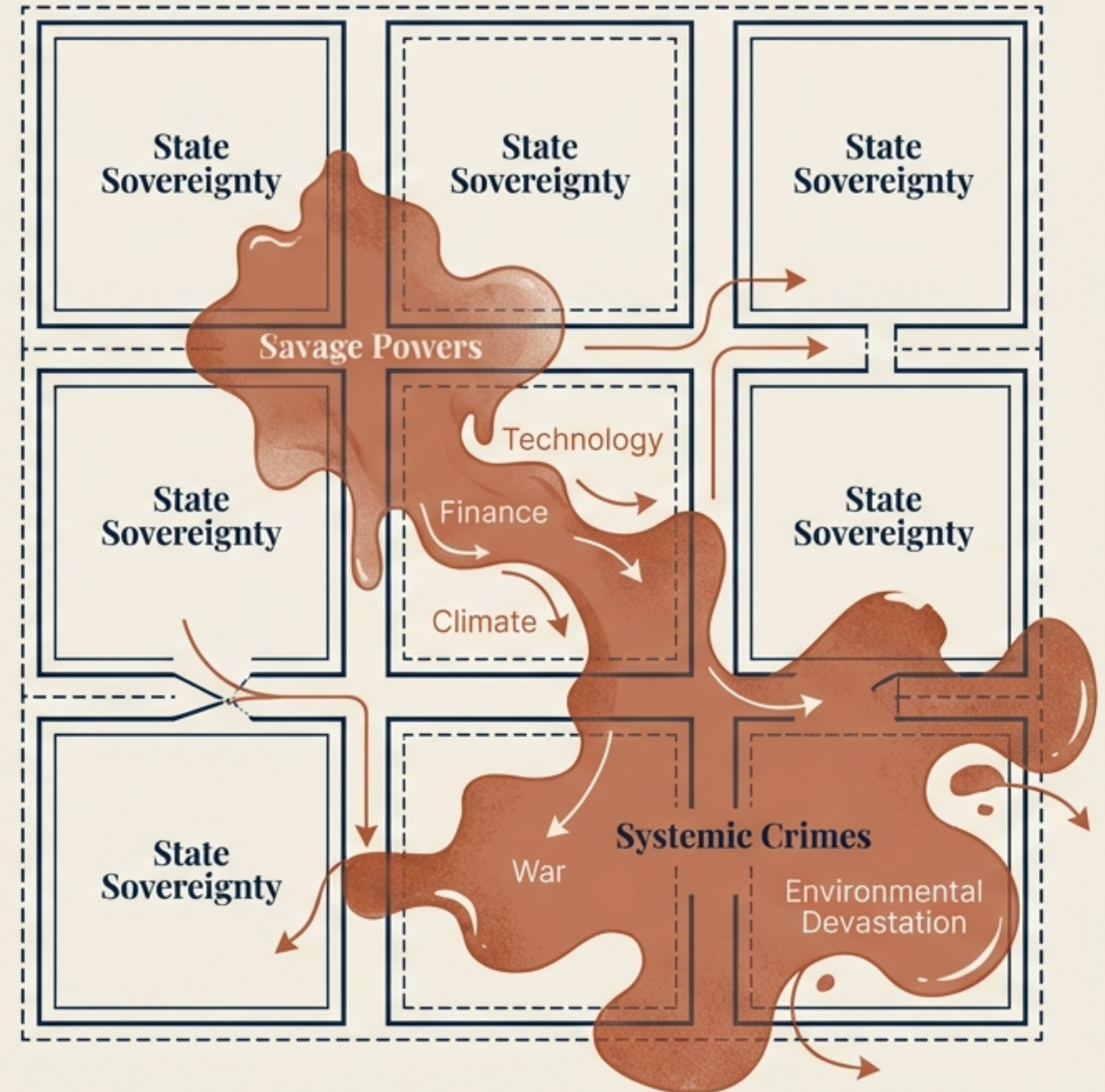
Humanity at the Crossroads

Since 1945, the paradigm has shifted.
Deterrence and “armed peace” are obsolete.

We face a binary choice: Global Federalism
or Total Destruction.

The Fracture:

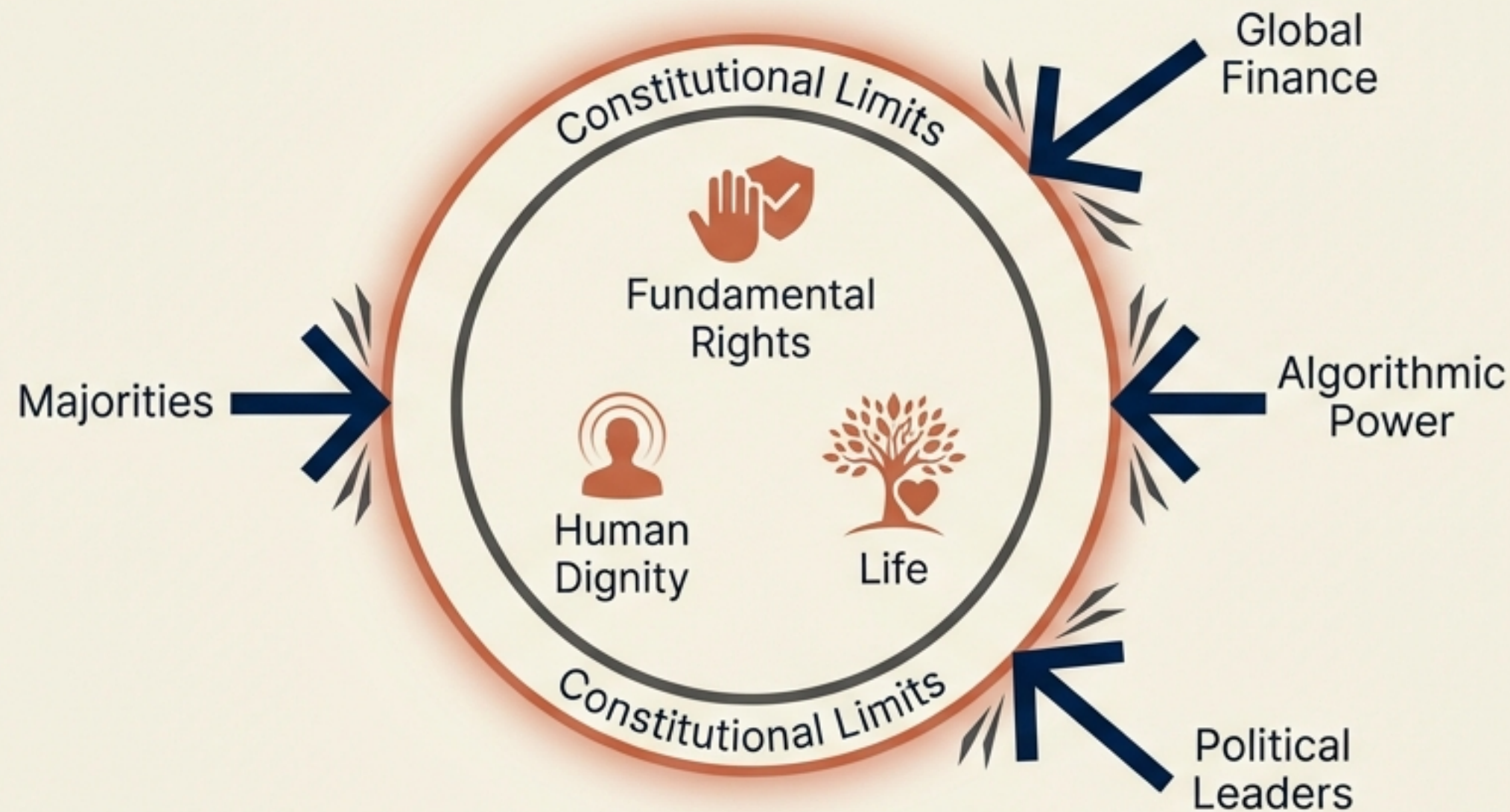
- **Global Powers:** Finance, Technology, and Climate operate without borders.
- **Legal Guarantees:** Rights and laws are confined within state borders.
- **The Result:** ‘Savage Powers’—unregulated forces that violate rights without penalty.



The Theory of Guaranteeism

From Law as Rule to Law as Limit

The Sphere of the Undecidable



Definition: The subordination of all power—public, private, and technological—to fundamental rights.

The Shift:

- From Formal Guaranteeism: Rules exist on paper but are ignored.
- To Substantial Guaranteeism: Rules are effective, internalized, and enforceable globally.

“Democracy is not just voting; it is the protection of the **Sphere of the Undecidable.**”

The Architecture of Peace: A Necessary Triad

Institutions alone are empty forms.
Technology alone is blind power.
Ethics alone is a wish. Peace
requires a synthesis.

Conscience
Ethical Awareness



Institutions
Federal Constitution

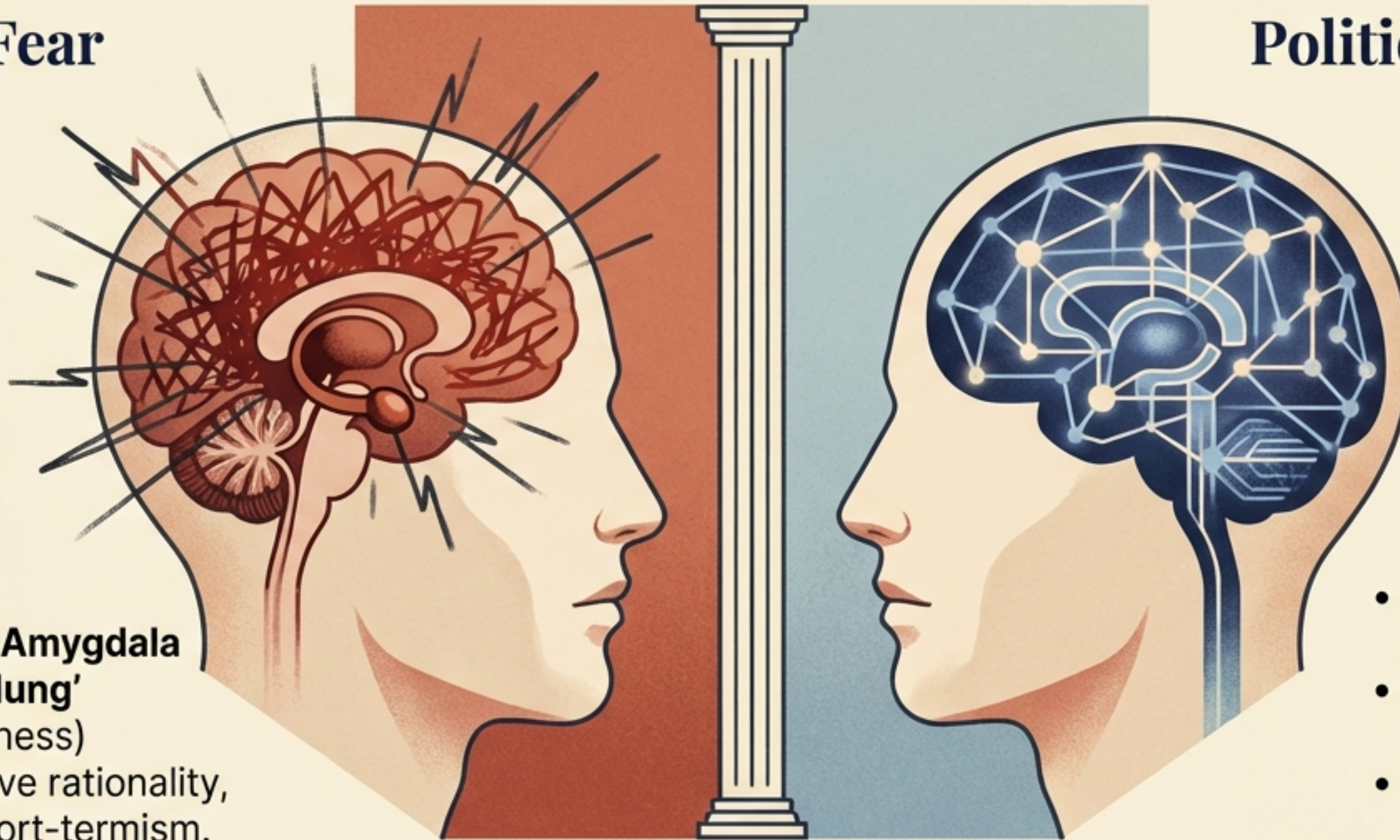
Technology
Common Goods
Infrastructure

Peace is not the interval between wars; it is a complex infrastructure of Truth, Technology, and Rights.

Neuropolitics: From Fear to Public Joy

Politics of Fear (System 1)

- Stimulates the Amygdala
- Triggers 'Blendung' (Dazzling/Blindness)
- **Result:** Defensive rationality, polarization, short-termism.

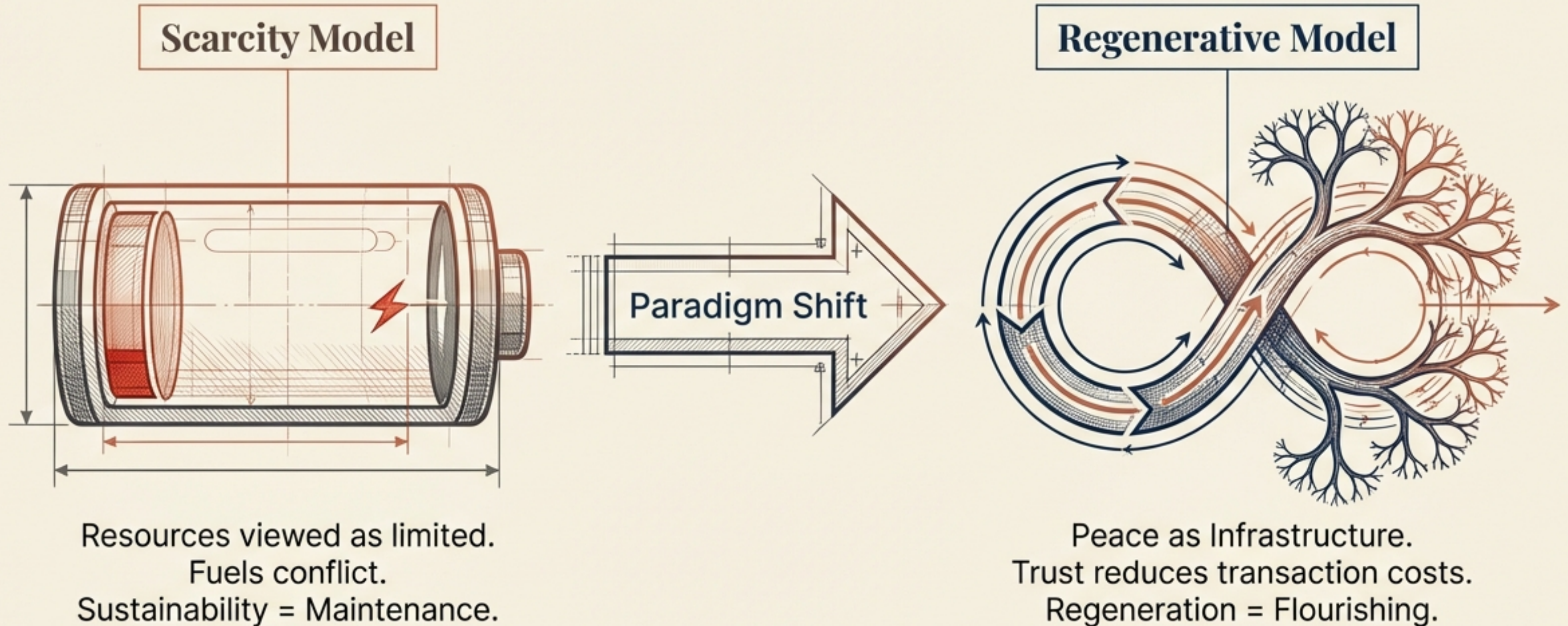


Politics of Public Joy (System 2)

- Stimulates Critical Thinking
- Builds Trust & Capability
- **Result:** Cooperation, antifragility, resilience.

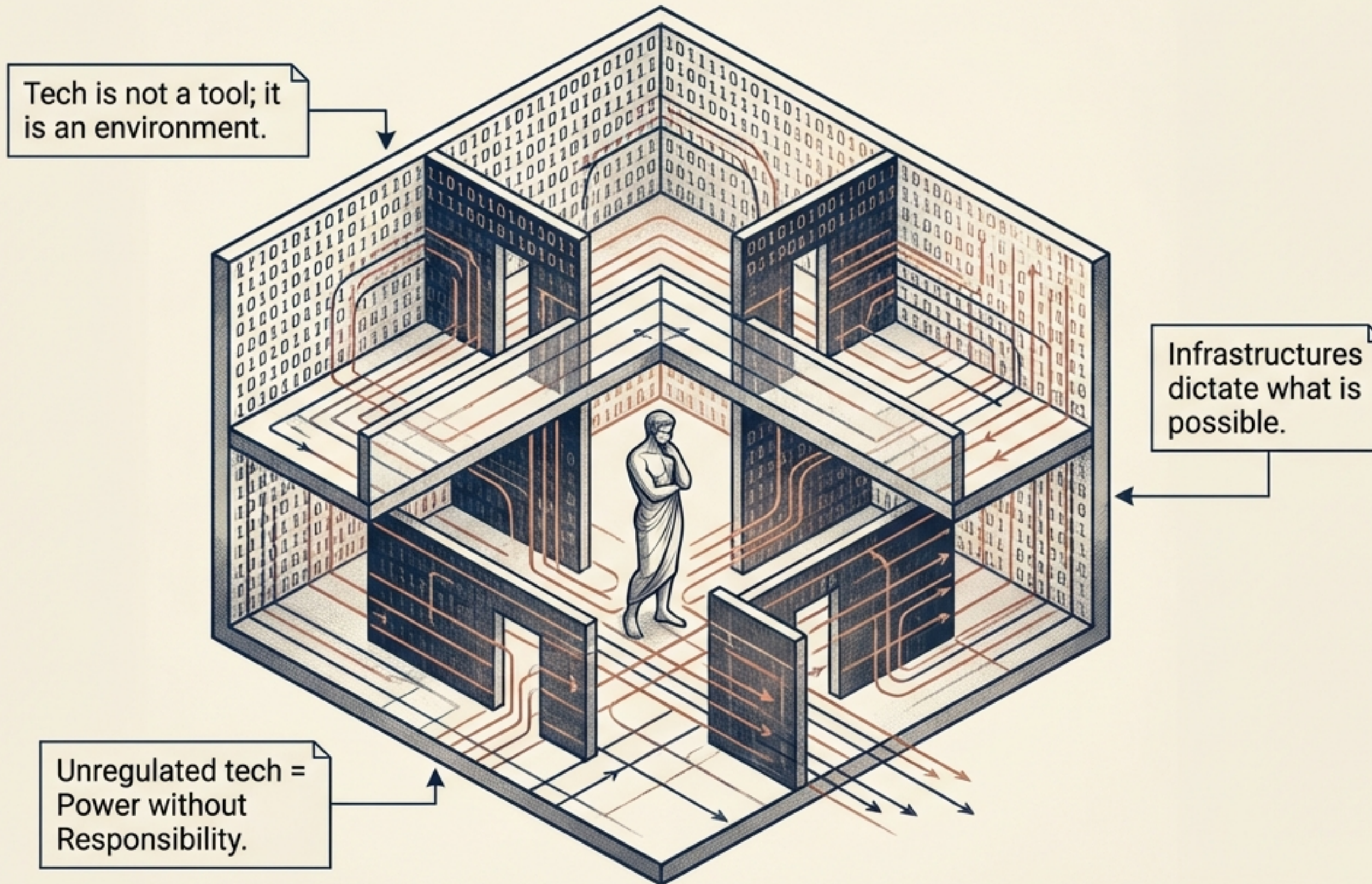
Public Joy is not an emotion, but a political category of trust and capability.

The Economic Shift: From Scarcity to Regeneration



Economic incentives must reward transparent supply chains and verify impact, treating peace as an asset rather than a cost.

Technology is Moral Infrastructure



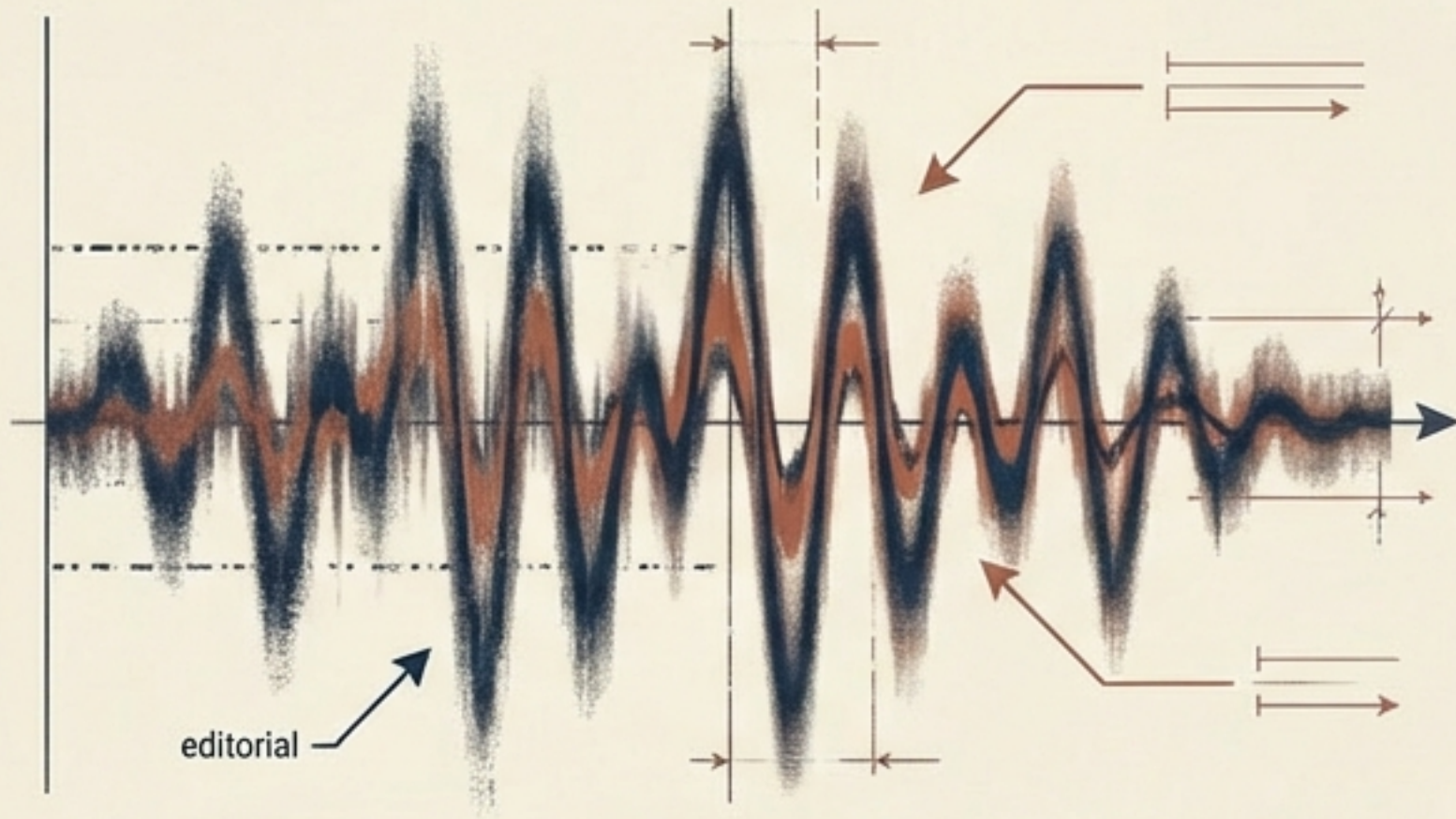
The Solution: Rights by Design

- Embedding constitutional guarantees directly into code and architecture.
- Moving from 'Declarative Ethics' to 'Operational Parameters'.

AI as Cognitive Infrastructure

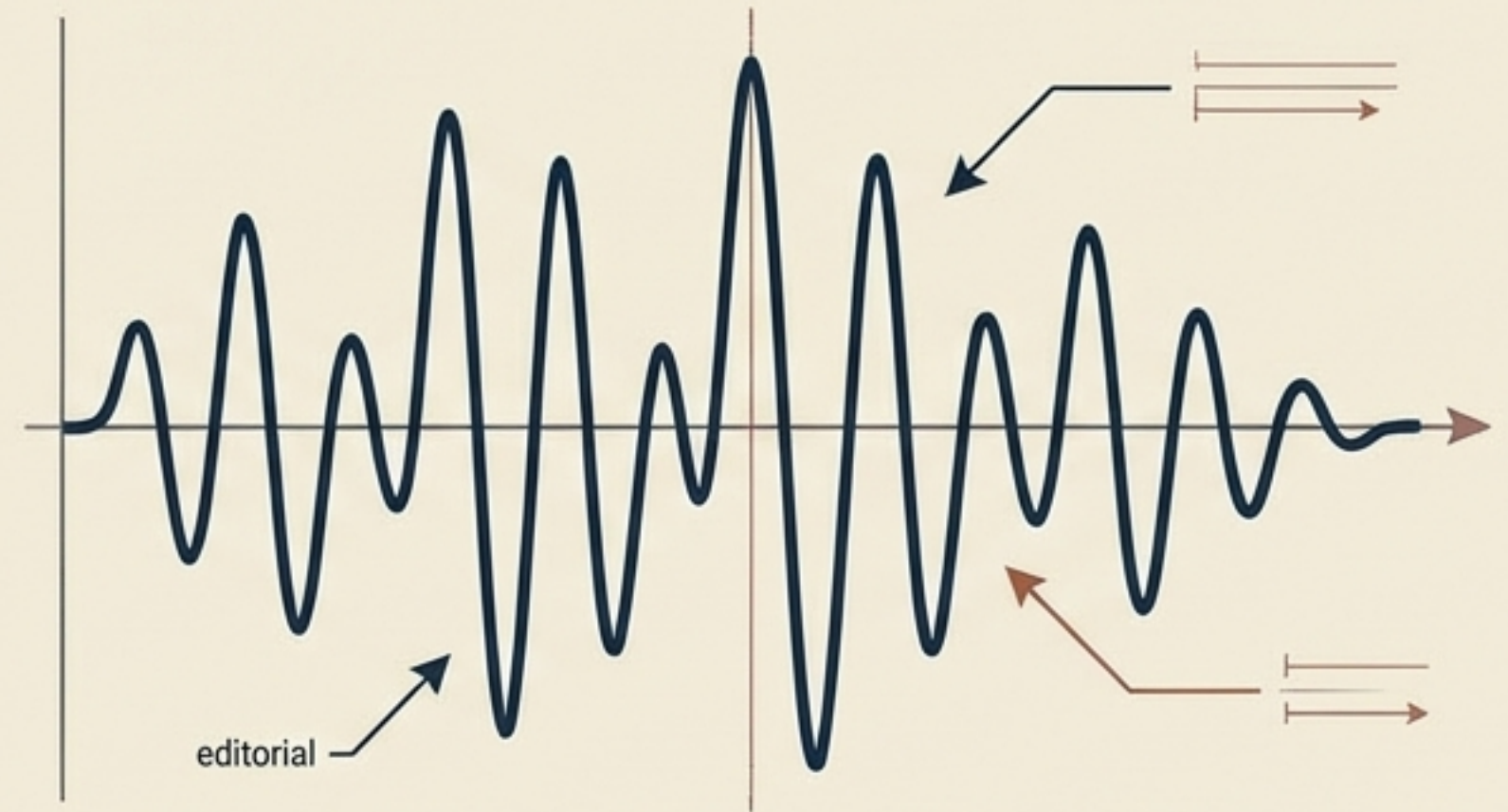
The Struggle for Truth

Epistemic Pollution



- Loss of shared reality.
- Persuasion Automation: Industrial-scale manipulation.

Substantial Truth



- Right to Substantial Truth: Power must be readable.
- Algorithmic Biodiversity: Preventing the 'monoculture' of models.
- Interoperability as a condition of freedom.

Quantum Computing: The New Global Order

The Paradox:

The race for Supremacy creates global insecurity (breaking encryption).

The Risk:

"Harvest Now, Decrypt Later"—preemptive data theft.



The Proposal:

Quantum as a Global Public Good.

1. Post-quantum cryptography as a shared standard.

2. Prevention of 'Quantum Divide' between nations.

3. No technological arbitrariness.

Blockchain: The Architecture of Verifiability

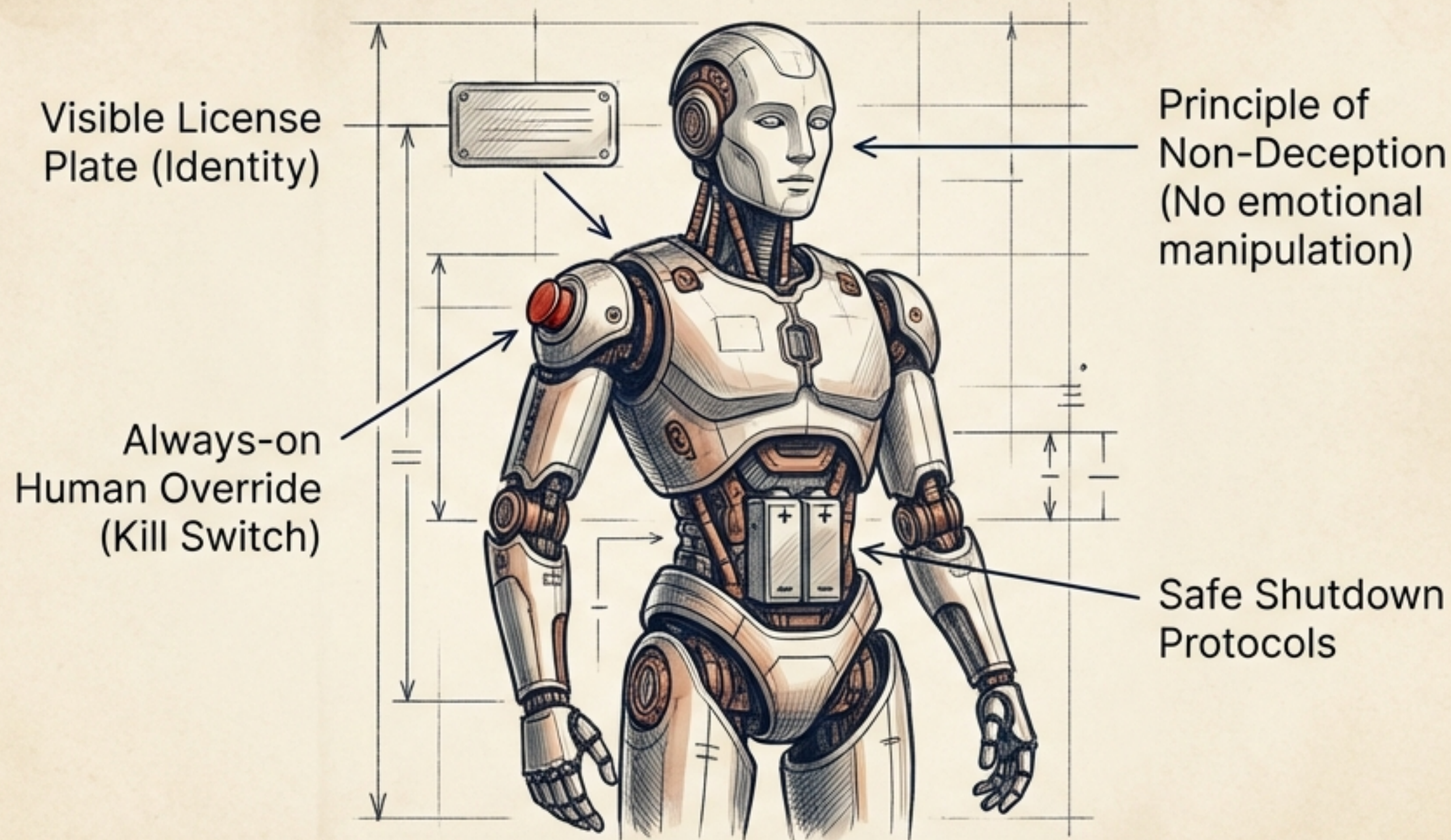
If AI is the Cognitive Infrastructure, Blockchain is the Institutional Infrastructure.



- From **Centralized Control** to **Distributed Verification**.
- **Guarantee:** Using distributed ledgers to ensure traceability of algorithmic decisions.
- “Code is not law, but code can enforce the law.”

Robotics in Public Space

The Minimum Eligibility Threshold



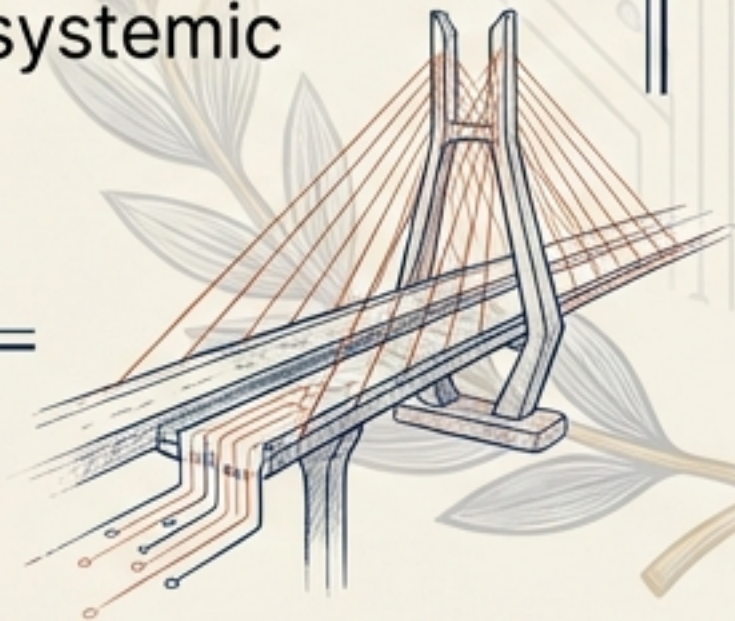
Robots in shared spaces must meet these strict criteria to be legal.

Innovation cannot precede the protection of the person.

The Constitutional Articles: Infrastructure & Robotics

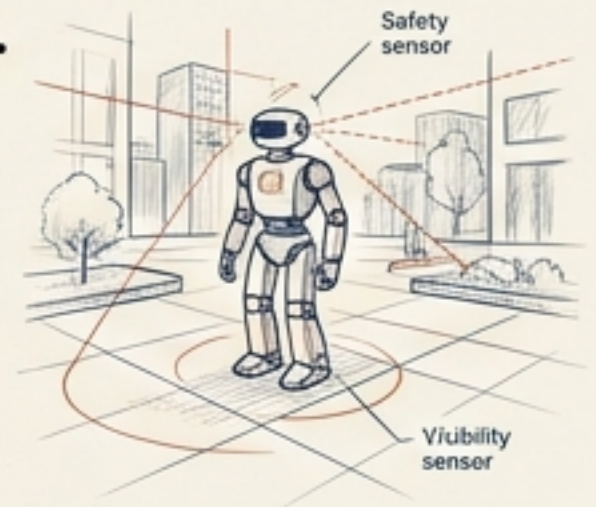
ARTICLE 11: Strategic Infrastructure

- Recognizes digital tech as 'Strategic Infrastructure of Peace'.
- Bans use of tech for covert destabilization or systemic manipulation.



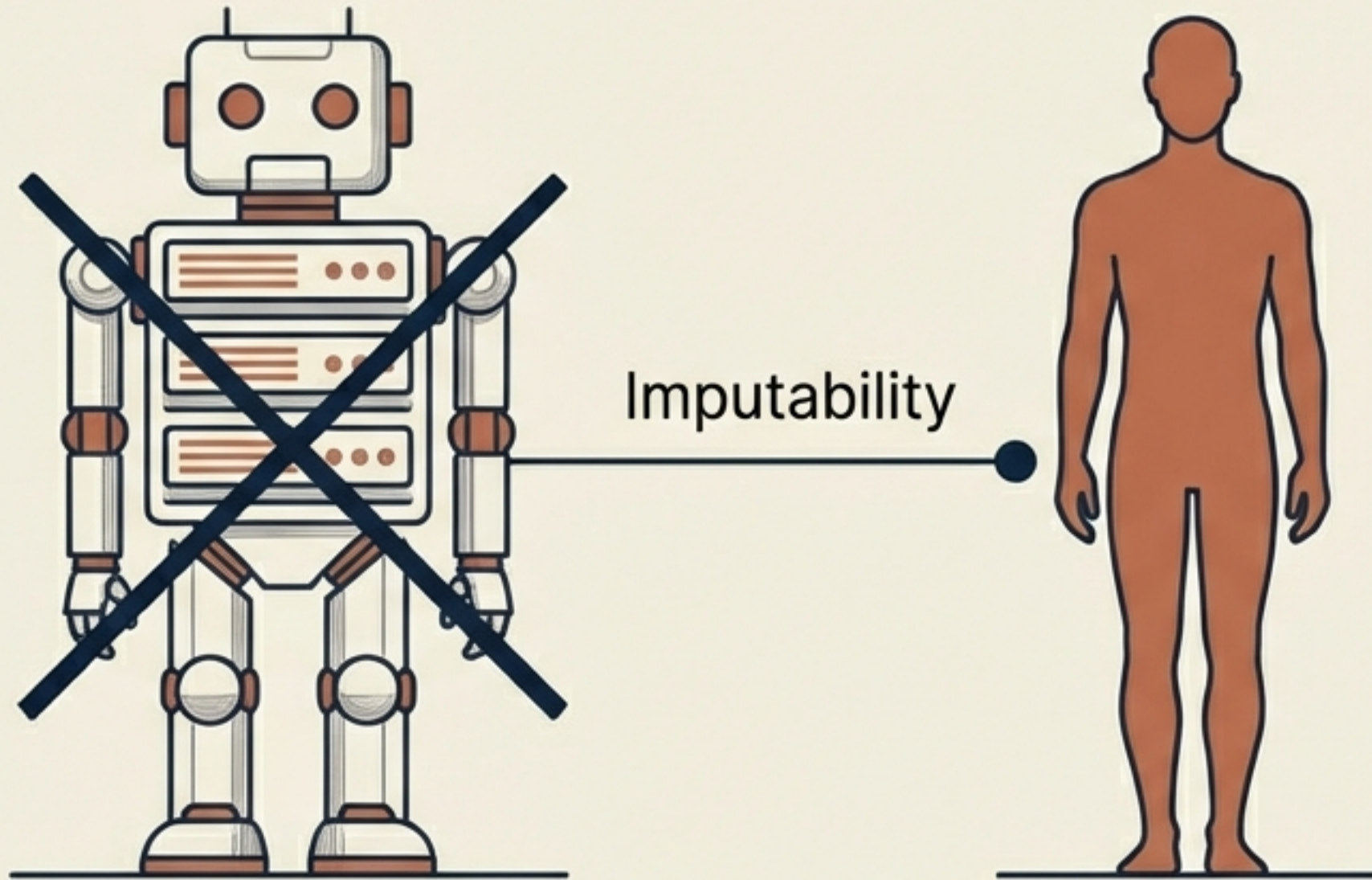
ARTICLE 12: Robotics in Shared Spaces

- Establishes the 'Threshold of Admissibility'.
- Robots are prohibited if they do not meet safety, transparency, and liability standards.



The Constitutional Articles: AI & Accountability

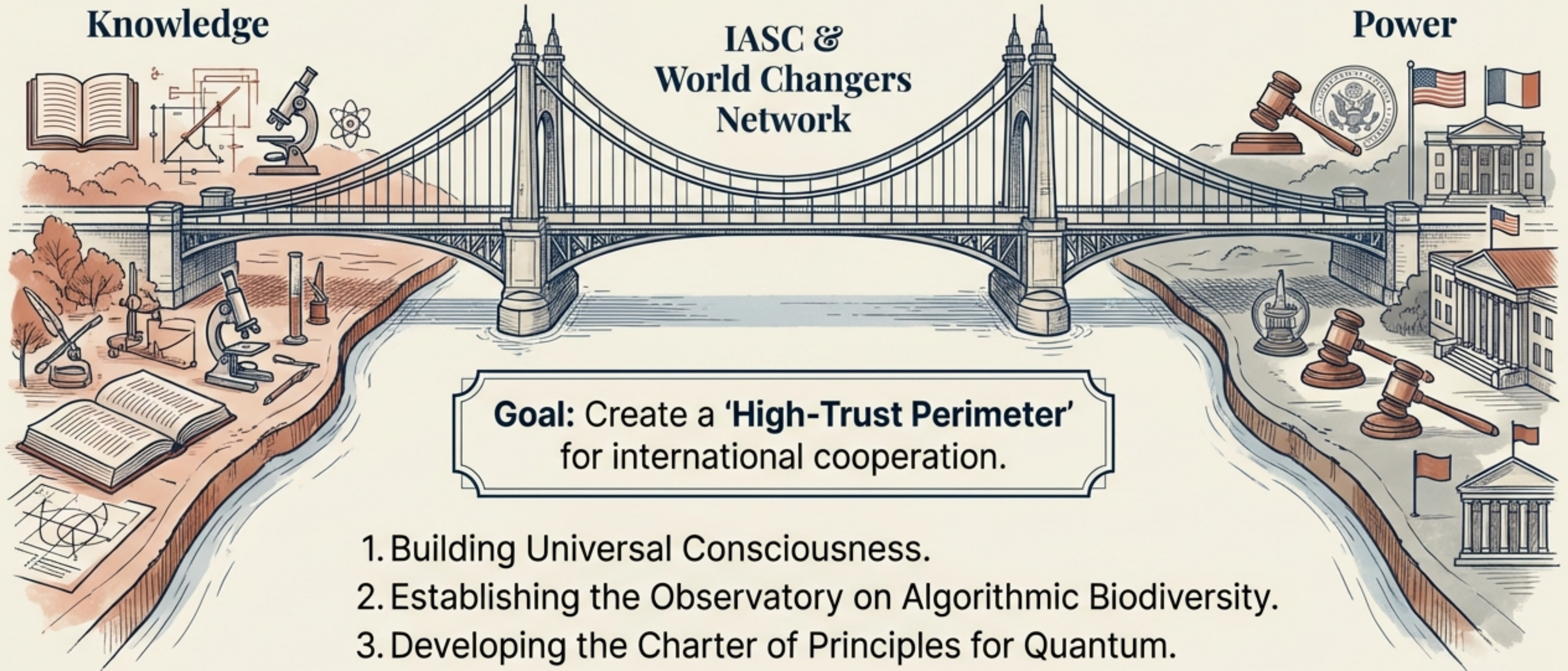
Legal Subject?



ARTICLE 13: The Principle of Imputability

- An algorithm cannot be a legal subject.
- Every decision affecting rights must be traceable to a human.
- Using AI is not an excuse for de-responsibility ('The Algorithm made me do it' is invalid).

Implementation: Science Diplomacy



Conclusion: From Defense to Flourishing

From Law as **Defense**:
Protecting against the
worst (Fear).



To Law as **Flourishing**:
Designing the possible
(Public Joy).

Peace is not a wish. It is a rigorous, designed infrastructure of Truth, Technology, and Rights.
We call for a Constituent Assembly for the ethics of emerging technologies.